

Title (en)

Device for swallowing powder granular or granulated substances

Title (de)

Vorrichtung zum einnehmen von pulverförmigen, körnigen oder granulatförmigen Substanzen

Title (fr)

Dispositif pour ingérer des substances pulvérulentes, granuleuses ou granulées

Publication

EP 1590027 B1 20090909 (DE)

Application

EP 03795767 A 20031219

Priority

- DE 0304194 W 20031219
- DE 10300032 A 20030103

Abstract (en)

[origin: DE10300032B3] For inhaler, inhalation tube (7) is pivoted. When in out-of-use position, the powder in the storage container (2) is sealed off, air-tight. On swinging the inhalation tube in to the position for use, the powder near the through-flow of air enters into the inhalation tube.

IPC 8 full level

A61M 15/00 (2006.01); **B67D 99/00** (2010.01)

CPC (source: EP US)

A61M 15/0023 (2014.02 - EP US); **A61M 15/0065** (2013.01 - EP US); **A61M 2202/064** (2013.01 - EP US)

Cited by

EP2274655B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2006180148 A1 20060817; **US 7591264 B2 20090922**; AT E442175 T1 20090915; AU 2003298075 A1 20040729; DE 10300032 B3 20040527; DE 10394178 D2 20051117; DE 50311905 D1 20091022; DK 1590027 T3 20100104; EP 1590027 A1 20051102; EP 1590027 B1 20090909; WO 2004060458 A1 20040722

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US 54103705 A 20050628; AT 03795767 T 20031219; AU 2003298075 A 20031219; DE 0304194 W 20031219; DE 10300032 A 20030103; DE 10394178 T 20031219; DE 50311905 T 20031219; DK 03795767 T 20031219; EP 03795767 A 20031219